	Application No.	Applicant(s)		
Notice of Allowability	10/702,450 Examiner	KATO ET AL. Art Unit		
	Angela J. Martin	1745		
The MAILING DATE of this communication apper All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate committee GHTS. This application is	n this application. If not include unication will be mailed in due of	d course. THIS	
1. This communication is responsive to 4/12/06.				
2. The allowed claim(s) is/are 1-9.				
 3. Acknowledgment is made of a claim for foreign priority un a) All b) Some c) None of the: 1. Certified copies of the priority documents have 		or (f) .		
2. Certified copies of the priority documents have		on No		
3. Copies of the certified copies of the priority documents have been received in this national stage application from the				
International Bureau (PCT Rule 17.2(a)).				
* Certified copies not received:				
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		e a reply complying with the req	uirements	
4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give			OTICE OF	
5. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.			
(a) including changes required by the Notice of Draftspers	on's Patent Drawing Covie	w (PTO-948) attached		
1) hereto or 2) to Paper No./Mail Date				
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment o	r in the Office action of		
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	84(c)) should be written on the header according to 17 C	the drawings in the front (not the FR 1.121(d).	back) of	
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICA: ATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.				
Attachment(s)				
1. Notice of References Cited (PTO-892)		formal Patent Application (PTO	⊢152)	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413), /Mail Date		
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08		Amendment/Comment		
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	8. 🛭 Examiner's	8. Examiner's Statement of Reasons for Allowance		
of Biological Material	9. Other	<u>_</u> ·		

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REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance:

The Applicant claims a fuel cell comprising end plates, a unit cell disposed between the end plates, a fuel distribution manifold disposed centrally of the unit cell to supply a fuel to the unit cell, a tie bolt extending centrally through the manifold and through the cell, fixing nuts screwed onto both ends of the tie bolt, a cell stack which comprises a solid polymer electrolyte membrane, an oxygen passage plate, a fuel electrode, an oxygen electrode, separator plates, wherein the manifold is rod-shaped having polygonal cross section, a fuel supply passage is formed in the tie bolt and a plurality of fuel distribution passages are communicated to the fuel supply passage and formed between central holes of the unit cells and an outer peripheral surface of the manifold.

In the prior art of record, Kitagawa et al., JP 2002-270212 (machine translation), teach a fuel cell comprising end plates, a unit cell disposed between the end plates, a fuel distribution manifold disposed centrally of the unit cell to supply a fuel to the unit cell.

However, the prior art of record, taken either alone or in combination, fails to disclose or render obvious a fuel cell comprising a fuel distribution manifold which is rod-shaped having polygonal cross section, a fuel supply passage is formed in the tie bolt and a plurality of fuel distribution passages are communicated to the fuel supply passage and formed between central holes of the unit cells and an outer peripheral surface of the manifold.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Angela J. Martin whose telephone number is 571-272-1288. The examiner can normally be reached on Monday-Friday from 9:00 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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PATRICK JOSEPH RYAN SUPERVISORY PATENT EXAMINER